Update Bulletin No. 967

Jim Dulley

Thank you for your interest in writing to me about keyless entry systems for your front, side and garage doors. These systems can increase the security of your home because it is much more difficult for a thief to open these locks. Most regular tumbler locks are secure when they are new, but as they wear with use, they become easier to pick. If you lose your keys, there will not be a house key for someone to find and use.

Keyless entry systems are also better for your personal security because it allows you to get into your house quicker. Even if you are familiar with your front door lock, it can take some time to find the key and get it into the keyhole. The longer that you stand at your front door, the more time that a thief has to attack you. It is certainly less expensive than leaving outdoor security lights on.

There are many keyless entry options from completely electronic remote ones to mechanical combination deadbolts. All of the ones that I have listed are of good quality. Read through the product features to determine which ones will meet your specific needs. If you do find a remote one at your home center or hardware store, make sure that it uses a "rolling code" technology. This automatically changes the electronic code among over a billion codes so that a thief cannot capture it with an electronic code grabber. The Kwikset Powerbolt 1000 is an excellent full-featured model. It is powered by four AA batteries. The newest Kwikset SmartScan model uses a fingerprint reader to determine if the person should have access to open the lock. It can store up to 50 fingerprints.

Kaba Ilco

The fully mechanical ones, like Presomatic and Lockey, are very secure and durable, but it is more difficult to change the combination, although it can be done. Lockey has the cleanest-looking mechanical models. If you are replacing your front door, a Masonite Welcome Watch door is a good choice for efficient security.

Jim

Some typical suggested retail prices:

BridgePort Systems — Intelock - $130 and up

Chamberlain — 976LM garage door keypad — $40

Domino — GD-1 - $56 • SC20 - $99

Essex Electronics Inc. — KE-625 module - $215 • keypads - $110 to $280

Genie — Wireless keypads - $30

Intelock — Digital lock — $150 • Digital deadbolt - $150 • Digital lock with response deadbolt - $190

Kaba Ilco — 6200 line - $150 • 7000 line - $80

Kwikset — SmartScan - $269 • Powerbolt 1000 - $179

Lockey — many models - $96 to $200

Preso-Matic — $122 to $146

Skylink — Model 89 and 88P - $39 • Model 838KT - $57

Selected Manufacturers of Keyless Entry/Security Systems

BRIDGEPORT SYSTEMS, 1555 Doolittle Dr., Suite 110, San Leandro, CA 94577 - (866) 562-5875 www.intelock.com

model - "Intelock" type - keyless door entry

features - With InteLock you open your door with a simple 3 or 4 digit electronic code which is displayed on a bright LED readout--it's visible day and night. The code is easy to change. An alternate code gives temporary access to housekeepers, repair services, pet sitters, and anyone else who might need to get in when you're not there. As soon as that person no longer needs access, just erase the alternate code. This system includes a mechanical key option which prevents lockouts due to forgotten codes. It includes a tamper alarm - sounds if incorrect code is entered. It runs on batteries so only a screwdriver is needed to install one in a door.

CHAMBERLAIN/LIFTMASTER, 845 Larch Ave., Elmhurst, IL 60126 - (800) 528-5880 www.chamberlain.com

model - "Model 976LM" type - garage door keypad

features - "Model 976LM" is a wireless keyless system to open garage doors. It comes with Security+ antiburglary technology. While your password remains constant until you change it, the code between the keyless entry and the receiver changes with each use, randomly accessing over 100 billion new codes. It mounts to your garage door jamb and lets you open your garage door without a remote control or key. This keyless entry also features a temporary password option so relatives, friends or baby sitters can have limited access to your home without giving them your private security code. The 976LM model is a professionally installed model to be used with their garage door openers. Do-it-yourself models are also available.

DOMINO ENGINEERING CORP., PO Box 376, Taylorville, IL 62568 - (800) 736-6466 www.dominoengineering.com

model - "Model GD-1" type - universal garage door keypad

model - "Model SC20" type - universal keypad for electric door strikes, magnetic locks

features - "Model GD-1" is compatible with all garage door openers because it basically functions as just a remote switch. It consists of an outside, permanently mounted keypad, and inside control box. It is vandal resistant — the keypad shuts off for one minute after five wrong entries have been pressed. It has a weatherproof flip-up cover that protects the unit against the elements. You can pick your own personal code — from one to six digit codes may be chosen (over one million possibilities). It has a lighted keypad so it is easy to see at night. An additional indicator light provides verification as each individual key is pressed. The lights dim to indicate that it is time to change the three AA batteries. After the code is entered and the garage door opener is activated, you can press the "enter" key to stop or reverse the door without reentering the code. The "enter" key remains active for twenty seconds. There is an additional push button that is located on the control box. "Model SC20" consists of two parts — the keypad and a small terminal block/control module. The control module is designed to be hidden inside a wall or in an electrical junction box. It contains the modular jack for the RJ11 connector from the keypad and seven screw terminals for remote push button(s), relay output (common, normally open, and normally closed), and power input. Power requirements are 12-24 VAC/DC. There are up to twenty user codes.

ESSEX ELECTRONICS, INC., 1130 Mark Ave., Carpinteria, CA 93013 - (800) 539-5377 www.keyless.com

model - "KE-265" type - piezoelectric keypad

features - This stand-alone keyless entry system is easy to program and easy to use. It can be used on your front door, back door, garage door, an electric gate, a private office in your home or a guest house. It features one master code and five different user codes. Each system includes a control module, 15' wiring cable and a choice of several different styles of keypads. You can easily program from the keypad by using three to eight digit codes. The programmable door open time is 1 to 120 seconds. There is a tamper alarm lockout after twenty-five incorrect key presses and a remote bypass. Two relay outputs are available to provide a variety of access control configurations including single door operation with an auxiliary output for a CCTV or light controller, a gate or garage door controller or doorbell activation. It can be configured for two door operation. See illustrations and features of various keypads that are available on page 4.

GENIE COMPANY, 22790 Lake Park Blvd., Alliance, OH 44601 - (800) 354-3643 (330) 821-5360 www.geniecompany.com

model - "Intellicode Keypad" type - wireless garage door keypad

features - This wireless garage door keypad system operates with the "Intellicode Access" security system. It provides entry into your garage without a transmitter or key. It has a slide-up cover to protect it from the elements. There is a backlit keypad and you have a choice from more than one million personal access (PIN) codes. The "Intellicode" prohibits the operator from responding to the same access code more than once. Each time the transmitter is activated the code changes; there is never any duplication. Also available is a universal keyless entry that works for all garage door opener models. It installs on any garage door opener, regardless of brand. The keypad is mounted to your garage door jamb and allows access to your garage by punching in your personal code without the use of a remote control or key.

KABA ILCO CORP., 400 Jeffreys Rd., Rocky Mount, NC 27804 - (800) 334-1381 www.kaba-ilco.com

model - "6200 and 7000 Series" type - mechanical push button

features - The "6200" automatically relocks each time the door closes. It has a pull on each side of the lock. The clutch-protected turn knob cannot be forced. It replaces standard $2^1/_8$" bore locksets. The "6100" has a button on the inside knob that allows you to lock yourself in a room. Even if someone enters the combination from the outside, the door remains locked until you turn the inside knob. This is great for darkrooms, bathrooms, bedrooms and offices where you may desire privacy. The "6200" Is available in four colors — gold tone, almond, black and gray. The textured, powder-coat finishes provide increased weather resistance. The "7000" can be mounted above existing primary locksets or it can be used alone. The standard model is equipped with a deadbolt (manual relock) and a saw-resistant, hardened-steel insert. Deadlocking latch models with automatic relock are also available. It operates only when the correct buttons are pushed in the proper sequence. The turn knob needs to be rotated to retract the deadbolt or latch. It has large easy-to-depress push buttons. The clutch-protected turn knob cannot be forced. It is made of weather-resistant, all-metal construction. It is not affected by power failures, as it is fully mechanical. Deadbolt models are also available with $2^3/_8$" and $2^3/_4$" backsets. The exterior trim plate covers $2^1/_8$" bores. The 1" deadbolt models have a saw-resistant, hardened steel insert.

KWIKSET CORP., 19701 DaVinci, Lake Forest, CA 92610 - (800) 327-5625 www.kwikset.com

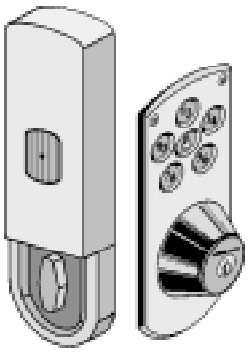
model - "SmartScan" type - electronic fingerprint scanning deadbolt

features - The SmartScan battery-powered deadbolt uses biometrics. Biometrics is a method of authenticating the identity of a person based on physiological characteristics. The most well known method is fingerprint identification. It is activated simply by swiping a valid fingerprint across its sub dermal sensor. Using RF electronic imaging, SmartScan reads live fingerprint patterns

located beneath the sub dermal outer surface layer of the skin, making it unaffected by dry, dirty or worn fingertips. Programmable with 50+ user fingerprints, SmartScan also has a special timed "lock out feature" that allows homeowners three levels of access options. This feature allows Continuous Access (24/7) for family members, Limited Date Access for contractors, and Restricted Access based upon Time and Date for babysitters or housekeepers allowing a specific day and window of time (Fridays 9:00 – 9:15 AM). Programming and set up are allowed only by designated administrator(s) and are menu driven via a built-in keypad and Liquid Crystal Display (LCD.) Each system includes a backup key as the product also functions as a standard deadbolt in case the batteries were not replaced. SmartScan is available in a variety of finishes, which carry a lifetime anti-tarnish warranty.

model - "Powerbolt 1000" type - push button electronic deadbolt

features - The "Powerbolt series" is easy to install and replaces existing door hardware. The indoor knob has a possible click when the bolt is fully extended into the door frame. No wiring is necessary as it uses 4 AA batteries. A low-battery warning light is located on the inner trim. It includes all necessary mounting hardware and also comes with detailed installation instructions. It requires a standard size deadbolt opening. Will fit doors from $1^3/_8$" to 2" thick. It is easy to program by choosing any four to eight digit personal security code. You can change the code as often as necessary. This allows a secondary temporary access code be programmed that will provide limited access to your house to neighbors or baby sitters. To lock the powerbolt, simply touch the "lock" button on the keypad and the deadbolt will slide into place. To unlock, just enter your combination and the deadbolt will slide into the unlocked position. If you input three consecutive incorrect combinations, a buzzer will sound for 15 seconds and the system will shut down. Since the powerbolt is a deadbolt and not a latch, you will need to actually lock it manually from the outside by pressing a button, or from the inside by turning a small knob. It can't lock automatically like a latch lock when the door slams closed. Although keys are not needed, two conventional keys are provided for backup in case they are needed. It is available with two lock/unlock buttons on the inner trim. Two separate access codes are possible. The backset of the lock and be set for either 2-3/8" or 2-3/4". There is a one-year warranty on the electronics, a lifetime mechanical warranty and a lifetime anti-tarnish guarantee on the brass finish.



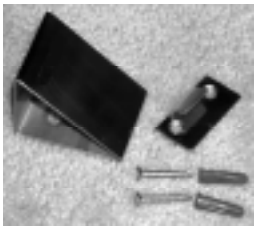
Powerbolt 1000

LOCKEY BRAND, P.O. Box 543, Mt. Pleasant, MI 48858 - (989) 773-2363 www.lockeybrand.com

model - "Power Wedge" type - mechanical push button deadbolt

features - These keyless locks use push-button combinations with unpickable keyless digital locks and hacksaw-proof deadbolts for maximum security, elegance, and simplicity. These keyless entry locks can be used on residential entry doors and exit doors on new homes, existing homes, apartment doors, garage doors, bathroom locks, sliding glass doors, cabinet doors, gun cabinets, liquor cabinets, pool gates, garden gates and many more places. These use no batteries and the combination can be changed quickly. There are many models (outside/inside) - combination/knob, combination/combination, combination/knob (for sliding glass doors). All the locks have a five-year warranty.

POWERWEDGE (ANDERSON INOVATIONS), 212 Dawson St., Homer, LA 71040 - (318) 927-3934 www.powerwedge.net



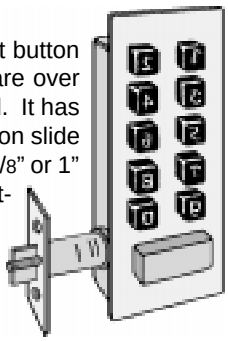
model - "Power Wedge" type - mechanical doorstop

features - The all stainless steel Power Wedge consists of two parts. The first part is a small striker plate that is attached with two stainless steel screws to the floor, next to the exterior door threshold. The second part is a triangular shaped wedge that is placed over the striker plate. The upturned lip of the striker plate must be shorter than the exterior door threshold, and is mounted very close to the threshold. Once you are indoors, place the wedge over the striker plate and the door cannot be opened. The Power Wedge will work only on in-swinging exterior doors with a raised threshold so the door will pass over the striker plate on the floor. The kit includes the two stainless steel pieces, two stainless steel screws and two anchors.

PRESO-MATIC KEYLESS LOCKS, 3778 S Kalamath St., Englewood, CO 80110 - (303) 762-7373

model - "Preso-Matic" type - mechanical push button deadbolt

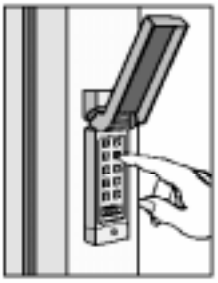
features - This is a mechanical deadbolt push button combination lock that locks manually when the lock/reset button is pressed. It unlocks by pressing the correct four or seven digit combination in correct sequence. There are over 10,000 possible combinations. The bolt retracts automatically when the last digit of the combination is pressed. It has a built-in night latch button. The locks come with a preset combination slide. You can order an extra combination slide to easily change the combination if desired. It takes about two minutes to change a slide. It is available with a 5/8" or 1" throw-hardened steel deadbolt. All locks come with complete installation instructions and a template for do-it-yourself installation. There are several styles available. Some of the models have a special night latch button that blocks the combination, if desired. Available finishes — black pebble, bright chrome, satin chrome, textured chrome, bright brass or satin brass. Double combination locks are available that operate on both sides of the door. No entry or exit is possible without using the correct combination when the door is in a locked position. See illustration to the right.



SKYLINK TECHNOLOGIES - USA, 1180-D East Francis St., Ontario, CA 91761 - (800) 304-1187 www.skylinktech.com

model - "Model G6KR Smart Button" type - universal garage door keypad

features - The universal, wireless and keyless garage door opener entry keypad is compatible with most manufacturers — Chamberlain, Genie, Liftmaster, Linear, MasterMechanic, Moore-O-Matic, Multicode-Martec/TecKey, Pulsar, Sears, Stanley and Wayne Dalton.

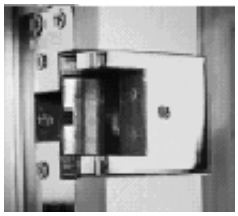


It has universal frequencies of 300, 310, 318 and 390 MHz. If it is not compatible with your existing garage door opener, there is a universal receiver, model UR-100, that works in conjunction with model 89. The combination is guaranteed to work. It is easy to program with the included instructions. You choose a four digit password that you program in. When you press the backlit keypad, it beeps so you know that the buttons have actually been pressed. Installation is quick and easy. Simply screw the keypad to the outside of your door jamb with the screws provided. See illustration to the left. A long life lithium battery is included that should last five to seven years. It has a weather resistant, ABS UV plastic case. There is a one-year warranty on the soft-key keypad. Other models use connectors (jumpers) instead of DIP switches. It works in conjunction with a receiver and provides security by using the rolling code design. It generates a new code with every operation and the code will never be repeated. Electronic scanners "code grabbers" can not duplicate the operating codes. It is an excellent replacement for older, obsolete models. It has a one year warranty against manufacturer's defects.

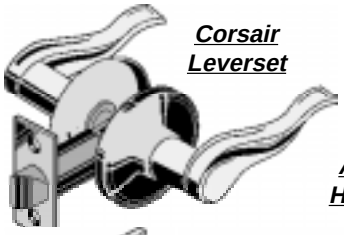
MASONITE, 7300 Reames Rd., Charlotte, NC 28216 - (877) 366-7797 www.masonite.com

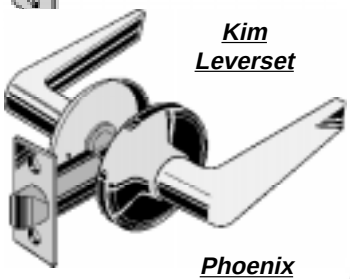
model - "Welcome Watch Doors" type - remote control keyless entry and security lighting

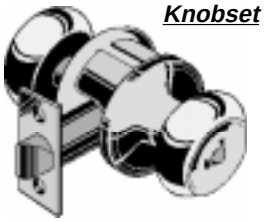
features - This remote control keyless entry works via an electronic strike, built into the door jamb and will work with any lockset or deadbolt. The remote control can be programmed for two separate doors. It has a manual override that allows you to close the electronic strike in the case of power outages. You can open the door with a standard key when necessary. The double electronic strike option allows the unlocked door to be pushed open without turning the doorknob. You can activate the system from a range of 30 feet to illuminate the entryway. The lighting system features two brighter security lights controlled by either the remote key fob, or a motion detector, and low-watt dusk-to-dawn night-light controlled by a photocell. The night-light automatically turns on at dusk and off at daybreak for constant illumination in the evening hours. The alert button on the remote, when pushed, causes the security lights to flash on and off continuously to signal an emergency. The security lights flash twice indicating that the locking signal has been sent. Also an LED light blinks on the remote when the signal has been sent. The system's rolling code technology changes the signal each time you use the remote. There is a special button on the door header that can remove all codes in case of accidental loss or theft of the remote. The system is powered by a transformer that plugs into any standard outlet. You can use the remote to turn on other interior or exterior lights and appliances with optional X10 modules. It has a one-year limited warranty. The system includes the door frame, lights, and electronic lock. The door system can be installed in almost any home. Somewhat complex, the installation is appropriate for more experienced do-it-yourselfers or a contractor. It includes a comprehensive set of detailed instructions. Installation requires detailed alignment so have it professionally installed unless you are an experienced do-it-yourselfer..



Various Knobsets, Handlesets and Leversets Available for the Powerbolt System from Kwikset





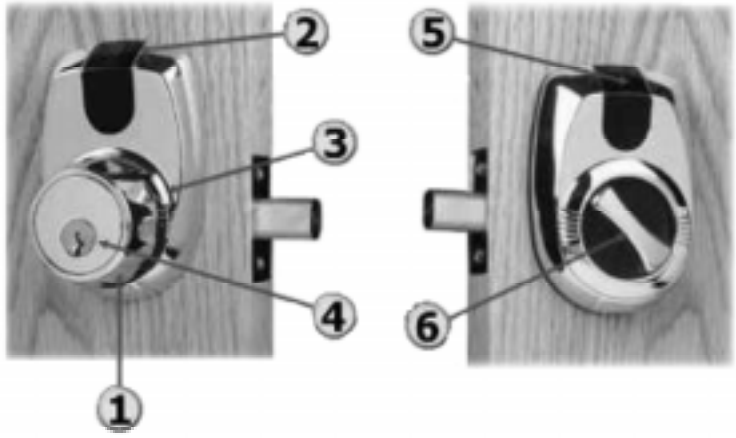


- Three button hand-held multi-functional system remote.
- Three buttons operate entry doors, garage doors and interior lights.
- Security+ anti-theft coding. Each time you activate your remote, it automatically rolls the code over to any one of 100 billion new codes, never to be repeated.
- Audible and visual indicators confirm "lock" and "unlock" function.
- Low battery indicator light.
- Heavy-duty deadbolt security.
- "Brilliance" lifetime anti-tarnish finish.
- System expandable with add-on modules and accessories — remote lighting module, remote electronic deadbolt for additional doors, remote garage door opener module and attractive knobsets, leversets and handlesets.
- Homelink compatible.
- Push button lock/unlock inner trim.
- Operates with 4 AA alkaline batteries.
- Replaces existing hardware.

Installation of a Kwikset Powerbolt

- Drill a 3" dia. hole in the door and a 1-1/8" hole perpendicular to it in the edge for the bolt to slide through. Drill another hole in the door frame aligned with the one in the door. Close the door to make sure the holes are properly aligned.
- Chisel out a recess in the door frame for the strike and install the bolt latch mechanism in the door so it is centers in the 3"-hole.
- Place the exterior touchpad over the hole and feed the power strip wiring through the hole over the latch.
- Place the deadbolt over the touchpad making sure the rod passes through the latch hub in a vertical position.
- Screw the deadbolt in place with long screws provided. They will reach through to a mounting plate on the interior side of the door.
- Remove the access/battery cover from the indoor control board and plug the power strip wiring into it.
- Screw the control board to the door with the screws provided.
- Place four AA-batteries in the control board and replace the decorative cover.
- Input your new security combination to unlock the deadbolt.

Digital Deadbolt from Intelock (Bridgeport Systems)



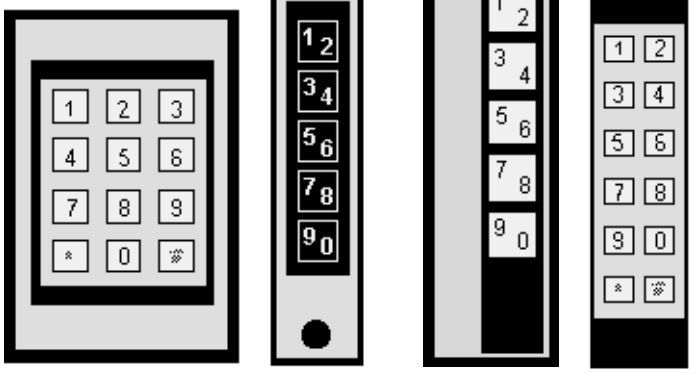
1) Deadbolt security revolver — locks and unlocks bolt. Without the correct code, the ring spins freely to prevent forced entry.
2) Ultra bright LED readout — is visible day or night.
3) Code entry — simply turn the code ring to the right and left (as you would a combination lock) to enter code, and then open door. 10,000 possible personal and alternate combinations using any 3 or 4 digits.
4) Optional mechanical key.
5) Deadbolt exit button — allows bolt to be locked without a key when leaving.
6) Hardened steel locking ring.

Features —
- Patented "zero work" locking mechanism — maximizes battery life and reliability.
- Low battery indicator — batteries are electronically monitored and a signal is given at least 90 days in advance that the batteries should be replaced (lock and deadbolt).
- 100% solid state — electronic circuit (lock and deadbolt).
- Code set button — changes code and activates alternate code.
- Rugged all metal construction.
- Tamper alarm — sounds inside and outside. Activates for 15 seconds if lock is tampered with.
- Batteries are included.

KE-265 Keyless Entry System from Essex Electronics Incorporated

- Designed for simple stand alone applications
- Six codes — one master code, five user codes
- Variable length codes — three to eight digit codes
- Easily programmable from the keypad
- Tamper alarm lockout
- Remote bypass
- Power requirements — 12 to 24 volt AC/DC input/output
- Two relay contacts rated at 6 amps at 120VAC
- Manual latching
- Programmable output duration
- Anti-tailgating
- One or two door operation
- Programmable door open time — 1 to 120 seconds latching
- Keypad operating environment — 100% relative humidity
- Keypad operating temperature — -40°F to +160°F
- Control module dimensions — 5 1/2" h x 7 1/2" w x 2 1/2" d
- Several keypads available — non-illuminated or illuminated, stainless steel, LED, thinline, brass, black or braille
- Optional battery backup available — 12 volt systems; one 12V gel cell / 24 volt systems Two 12V gel cells

Various Keypads Available



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